

CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET
SACRAMENTO, CA 95814-5512
www.energy.ca.gov

DOCKETED
12-AFC-02

TN # 69135

JAN. 15 2013



Stephen O'Kane
AES Southland, LLC
690 Studebaker Road
Long Beach, CA 90803

January 15, 2013

Regarding: **HUNTINGTON BEACH ENERGY PROJECT (12-AFC-02)**
Staff's Data Requests, 99 through 103

Dear Mr. O'Kane,

Pursuant to Title 20, California Code of Regulations, section 1716, the California Energy Commission staff requests the information specified in the enclosed data requests. The information requested is necessary to: 1) more fully understand the project, 2) assess whether the facility will be constructed and operated in compliance with applicable regulations, 3) assess whether the project will result in significant environmental impacts, 4) assess whether the facilities will be constructed and operated in a safe, efficient and reliable manner, and 5) assess potential mitigation measures.

These data requests, numbered 99 through 103, are being made in the technical area of Soil and Water Resources. Written responses to the enclosed data requests are due to the Energy Commission staff on or before February 15, 2013.

If you are unable to provide the information requested, need additional time, or object to providing the requested information, please send a written notice to the Committee and me within 20 days of receipt of this notice. The notification must contain the reasons for the inability to provide the information or the grounds for any objections (see Title 20, California Code of Regulations, section 1716 (f)).

If you have any questions regarding the enclosed data requests, please call me at (916) 654-4640.

Sincerely,

Felicia Miller
Siting Project Manager

Enclosure (Data Request Packet)
cc: Docket (12-AFC-02)

PROOF OF SERVICE (REVISED 12/24/12) FILED WITH
ORIGINAL IN SACRAMENTO ON 1/15/13
DLS

Technical Area: Soil & Water Resources
Author: Mike Conway

Background

Multiple predictive studies of relative sea-level rise indicate that the proposed project area could be affected during the life of the project. Projections indicate a relative mean sea-level rise along the southern California coast ranging from 4 to 30 centimeters (cm) by the year 2030 (CEC, 2009; NAS, 2012). The site geotechnical report (Ninyo & Moore, 2011) acknowledges future sea-level rise. An Energy Commission study (CEC, 2009) also shows the project site may have reduced flood protection and inundation potential in the future. A significant rise in local sea water levels would also raise groundwater levels, decrease relative flood protection currently afforded by levees along the Huntington Beach Flood Channel, raise the fluvial base level thereby increasing the rate and extent of flooding and potentially impact foundation integrity (increased liquefaction potential) of the power plant.

Data Requests

99. Please discuss how AES considered current and future sea levels in the design and location of critical plant equipment, or in the design and maintenance plans of flood protection infrastructure?
100. Please describe existing structures or those proposed to be installed that will provide adequate flood protection that incorporate predicted sea level rise, i.e. raised foundations, berms, etc. How else will the site maintain its current Federal Emergency Management Agency (FEMA) status?
101. Please describe whether the existing Huntington Beach Flood Channel is adequate for flood protection considering projected sea-level rise effects.
102. Please describe whether the applicant would have any role in maintenance of the Huntington Beach Flood Channel or other flood control facilities that would protect the site.
103. Please discuss whether foreseeable increases in groundwater levels due to projected sea-level rise would increase liquefaction potential.

References

CEC, 2009. The Impacts of Sea-Level Rise on the California Coast, Final Paper. California Energy Commission, Docket CEC-500-2009-024-F.

FEMA, 2012. Flood Insurance Rate Map 6059C0263J, December 3, 2009. Accessed at <https://msc.fema.gov>, on January 3, 2013.

NAS, 2012. Sea-Level Rise for the Coasts of California, Oregon, and Washington: Past, Present, and Future. National Academy of Sciences, Committee on Sea Level Rise in California, Oregon, and Washington. ISBN: 978-0-309-25594-3

Ninyo & Moore, 2011. Preliminary Geotechnical Evaluation, Huntington Beach Generating Station. Prepared by Ninyo & Moore, December 2, 2011.



BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT
COMMISSION OF THE STATE OF CALIFORNIA
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**APPLICATION FOR CERTIFICATION FOR THE
HUNTINGTON BEACH ENERGY PROJECT**

Docket No. 12-AFC-02
(Revised 12/24/12)

SERVICE LIST:

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COMMISSION DOCKET UNIT

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**OTHER ENERGY COMMISSION –
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CONVENIENCE ONLY):**

*After docketing, the Docket Unit will
provide a copy to the persons listed
below. **Do not** send copies of
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Advisor to Commissioner Douglas

Felicia Miller
Project Manager

Kevin W. Bell
Staff Counsel

DECLARATION OF SERVICE

I, Diane L. Scott, declare that on January 15, 2013, I served and filed a copy of the attached **HUNTINGTON BEACH ENERGY PROJECT (12-AFC-02) Staff's Data Requests, 99 through 103**, dated January 15 2013. This document is accompanied by the most recent Proof of Service list, located on the web page for this project at:

http://www.energy.ca.gov/sitingcases/huntington_beach_energy/index.html.

The document has been sent to the other parties in this proceeding (as shown on the Proof of Service list) and to the Commission's Docket Unit, as appropriate, in the following manner:

(Check one)

For service to all other parties and filing with the Docket Unit at the Energy Commission:

- X I e-mailed the document to all email addresses on the Service List above and personally delivered it or deposited it in the US mail with first class postage to those parties noted above as "hard copy required", **OR**
- Instead of e-mailing the document, I personally delivered it or deposited it in the US mail with first class postage to all of the persons on the Service List for whom mailing address is given.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct, and that I am over the age of 18 years.

Dated: January 15, 2013

Diane L. Scott

Diane L. Scott, *Project Assistant*

Siting, Transmission and Environmental Protection Division